

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 7

Application No.	09/447,227
Filing Date	November 22, 1999
First Named Inventor	Mark C. Shults
Art Unit	3735
Examiner	Robert L. Nasser
Attorney Docket No.	DEXCOM.008DV1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	RE31916	6/19/1985	Oswin et al.	
	2	3,381,371	5/7/1968	Russell	
	3	3,791,871	2/12/1974	Rowley, Leroy S.	
	4	3,838,033	9/24/1974	Mindt et al.	
	5	3,898,984	8/12/1975	Mandel et al.	
	6	3,943,918	3/16/1976	Lewis	
	7	4,253,469	3/3/1981	Aslan	
	8	4,260,725	4/7/1981	Keogh et al.	
	9	4,403,984	9/13/1983	Ash et al.	
	10	4,442,841	4/17/1984	Uehara et al.	
	11	4,477,314	10/16/1984	Richter et al.	
	12	4,494,950	1/22/1985	Fischell	
	13	4,554,927	11/26/1985	Fussell	
	14	4,571,292	2/18/1986	Liu et al.	
	15	4,650,547	3/17/1987	Gough	
	16	4,655,880	4/7/1987	Liu	
	17	4,680,268	7/14/1987	Clark, Jr.	
	18	4,731,726	3/15/1988	Allen	
	19	4,805,625	2/21/1989	Wyler	
	20	4,852,573	8/1/1989	Kennedy	
	21	4,883,057	11/28/1989	Broderick	
	22	4,890,621	1/2/1990	Hakky	
	23	4,970,145	11/1/1990	Bennetto et al.	
	24	4,986,271	1/22/1991	Wilkins	
	25	4,992,794	1/12/1991	Brouwers	
	26	5,050,612	9/24/1991	Matsumura	
	27	5,089,112	2/18/1992	Skothem et al.	
	28	5,130,231	7/14/1992	Kennedy et al.	
	29	5,137,028	8/11/1992	Nishimura	

Examiner Signature

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	09/447,227
	Filing Date	November 22, 1999
	First Named Inventor	Mark C. Shults
	Art Unit	3735
(Multiple sheets used when necessary)	Examiner	Robert L. Nasser
SHEET 2 OF 7	Attorney Docket No.	DEXCOM.008DV1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	5,264,104	11/23/1993	Gregg et al.	
	31	5,269,891	12/14/1993	Colin	
	32	5,298,144	3/29/1994	Spokane	
	33	5,299,571	4/5/1994	Mastrototaro	
	34	5,310,469	5/10/1994	Cunningham et al.	
	35	5,316,008	5/31/1994	Suga et al.	
	36	5,331,555	7/19/1994	Hashimoto et al.	
	37	5,390,671	2/21/1995	Lord et al.	
	38	5,411,866	5/2/1995	Luong	
	39	5,462,051	10/31/1995	Oka et al.	
	40	5,480,711	1/2/1996	Ruefer	
	41	5,482,008	1/9/1996	Stafford et al.	
	42	5,494,562	2/27/1996	Maley et al.	
	43	5,507,288	4/16/1996	Bocker et al.	
	44	5,508,509	4/16/1996	Yafuso et al.	
	45	5,513,636	5/7/1996	Palti	
	46	5,531,878	7/2/1996	Vadgama et al.	
	47	5,568,806	10/29/1996	Cheney, II et al.	
	48	5,582,184	12/10/1996	Ericson et al.	
	49	5,582,697	12/10/1996	Noguchi	
	50	5,586,553	12/24/1996	Halili et al.	
	51	5,695,623	12/9/1997	Michel et al.	
	52	5,735,273	4/7/1998	Kurnik et al.	
	53	5,743,262	4/28/1998	Lepper, Jr. et al.	
	54	5,776,324	7/7/1998	Usala	
	55	5,800,420	9/1/1998	Gross	
	56	5,804,048	9/1/1998	Wong et al.	
	57	5,807,375	9/15/1998	Gross et al.	
	58	5,820,622	10/13/1998	Gross et al.	

Examiner Signature	Date Considered
--------------------	-----------------

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a checkmark in the area where an E-Office Action Page Transition is indicated.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 3 OF 7

Application No.	09/447,227
Filing Date	November 22, 1999
First Named Inventor	Mark C. Shults
Art Unit	3735
Examiner	Robert L. Nasser
Attorney Docket No.	DEXCOM.008DV1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	5,840,148	11/24/1998	Campbell et al.	
	60	5,863,400	1/26/1999	Drummond et al.	
	61	5,895,235	4/20/1999	Droz	
	62	5,957,854	9/28/1999	Besson et al.	
	63	5,963,132	10/5/1999	Yoakum	
	64	5,967,986	10/19/1999	Cimochowski et al.	
	65	6,862,465	3/1/2005	Shults et al.	
	66	7,110,803	9/19/2006	Shults et al.	
	67	7,136,689	11/14/2006	Shults et al.	
	68	2004-0011671	1/22/2004	Shults et al.	
	69	2005-0033132	2/10/2005	Shults et al.	
	70	2008-0228051	9/18/2008	Shults et al.	
	71	2008-0228054	9/18/2008	Shults et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	72	EP 0 098 592	1/18/1984	Fujisawa Pharmaceutical Co.		
	73	EP 0 127 958	12/12/1984	Genetics International		
	74	EP 0 320 109	6/14/1989	Medisense Inc.		
	75	EP 0 390 390	10/3/1990	Associated Universities		
	75	GB 2149918	6/19/1985	Anderson		
	77	JP 02002913	1/8/1990	Bridgestone Corp.		X-abstract
	78	JP 3-293556	12/25/1991	Kokuritsu Shintai		
	79	JP 62083649	4/17/1987	Matsushita Electric		X-abstract
	80	WO 89/02720	4/6/1989	Stichting Science Park Groningen		
	81	WO 91/09302	6/27/1991	Regents of Univ. of Calif.		
	82	WO 93/14693	8/5/1993	Victoria Univ of Manchester		

Examiner Signature

Date Considered

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	09/447,227	
	Filing Date	November 22, 1999	
	First Named Inventor	Mark C. Shults	
	Art Unit	3735	
(Multiple sheets used when necessary)		Examiner	Robert L. Nasser
SHEET 4 OF 7		Attorney Docket No.	DEXCOM.008DV1

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	83	WO 96/14026	5/17/1996	Elan Medical Technologies		
	84	WO 96/25089	8/22/1996	Minimed Inc.		
	85	WO 97/01986	1/23/1997	Thomas Jefferson Univ.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	86	Aussedat et al. 1997. A user-friendly method for calibrating a subcutaneous glucose sensor-based hypoglycaemic alarm. Biosensors & Bioelectronics 12(11):1061-1071	
	87	Bellucci et al. January 1986. Electrochemical behaviour of graphite-epoxy composite materials (GECM) in aqueous salt solutions, Journal of Applied Electrochemistry, 16(1):15-22	
	88	Bobbioni-Harsch et al. 1993. Lifespan of subcutaneous glucose sensors and their performances during dynamic glycaemia changes in rats, J. Biomed. Eng. 15:457-463	
	89	Cass et al. "Ferrocene-mediated enzyme electrodes for amperometric determination of glucose," Anal. Chem., 36:667-71 (1984).	
	90	Davies, et al. 1992. Polymer membranes in clinical sensor applications. I. An overview of membrane function, Biomaterials, 13(14):971-978	
	91	Heller, "Electrical wiring of redox enzymes," Acc. Chem. Res., 23:128-134 (1990).	
	92	Heller, A. 1992. Electrical Connection of Enzyme Redox Centers to Electrodes. J. Phys. Chem. 96:3579-3587	
	93	Hicks, 1985. In Situ Monitoring, Clinical Chemistry, 31(12):1931-1935	
	94	Hu, et al. 1993. A needle-type enzyme-based lactate sensor for in vivo monitoring, Analytica Chimica Acta, 281:503-511	
	95	Johnson et al. 1992. In vivo evaluation of an electroenzymatic glucose sensor implanted in subcutaneous tissue. Biosensors & Bioelectronics, 7:709-714.	
	96	Kawagoe et al. 1991. Enzyme-modified organic conducting salt microelectrode, Anal. Chem. 63:2961-2965	
	97	Kerner et al. "The function of a hydrogen peroxide-detecting electroenzymatic glucose electrode is markedly impaired in human sub-cutaneous tissue and plasma," Biosensors & Bioelectronics, 8:473-482 (1993).	
	98	Maidan et al. 1992. Elimination of Electrooxidizable Interferent-Produced Currents in Amperometric Biosensors, Analytical Chemistry, 64:2889-2896	
	99	Mastrototaro et al. "An electroenzymatic glucose sensor fabricated on a flexible substrate," Sensors and Actuators B, 5:139-44 (1991).	

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T¹ - Place a checkmark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 5 OF 7

Application No.	09/447,227
Filing Date	November 22, 1999
First Named Inventor	Mark C. Shults
Art Unit	3735
Examiner	Robert L. Nasser
Attorney Docket No.	DEXCOM.008DV1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	100	Murphy, et al. 1992. Polymer membranes in clinical sensor applications. II. The design and fabrication of permselective hydrogels for electrochemical devices, Biomaterials, 13(14):979-990	
	101	Ohara, et al. December 1993. Glucose electrodes based on cross-linked bis(2,2'-bipyridine)chloroosmium(+/2+) complexed poly(1-vinylimidazole) films, Analytical Chemistry, 65:3512-3517	
	102	Pickup et al. "In vivo molecular sensing in diabetes mellitus: an implantable glucose sensor with direct electron transfer," Diabetologia, 32:213-217 (1989).	
	103	Pishko et al. "Amperometric glucose microelectrodes prepared through immobilization of glucose oxidase in redox hydrogels," Anal. Chem., 63:2268-72 (1991).	
	104	Poitout et al. 1993. A glucose monitoring system for on line estimation in man of blood glucose concentration using a miniaturized glucose sensor implanted in the subcutaneous tissue and a wearable control unit. Diabetologia 36:658-663	
	105	Reach et al. 1992. Can continuous glucose monitoring be used for the treatment of diabetes? Analytical Chemistry 64(5):381-386	
	106	Rebrin et al. "Automated feedback control of subcutaneous glucose concentration in diabetic dogs," Diabetologia, 32:573-76 (1989).	
	107	SAKAKIDA et al. 1993. Ferrocene-Mediated Needle Type Glucose Sensor Covered with Newly Designed Biocompatible Membran, Sensors and Actuators B 13-14:319-322	
	108	Sharkawy et al. 1996. Engineering the tissue which encapsulates subcutaneous implants. I. Diffusion properties, J Biomed Mater Res, 37:401-412	
	109	Shaw et al. "In vitro testing of a simply constructed, highly stable glucose sensor suitable for implantation in diabetic patients," Biosensors & Bioelectronics, 6:401-406 (1991).	
	110	Shichiri et al. 1985. Needle-type Glucose Sensor for Wearable Artificial Endocrine Pancreas in Implantable Sensors 197-210	
	111	Shichiri et al., 1989. Membrane Design For Extending the Long-Life of an Implantable Glucose Sensor. Diab. Nutr. Metab. 2:309-313	
	112	Sternberg et al. 1988. Study and Development of Multilayer Needle-type Enzyme-based Glucose Microsensors. Biosensors 4:27-40	
	113	Thompson et al., In Vivo Probes: Problems and Perspectives, Department of Chemistry, University of Toronto, Canada, pp. 255-261, 1986	
	114	Updike et al. 1997. Principles of long-term fully implanted sensors with emphasis on radiotelemetric monitoring of blood glucose form inside a subcutaneous foreign body capsule (FBC). In Fraser, ed., Biosensors in the Body. New York. John Wiley & Sons, pp. 117-137.	
	115	Velho et al. 1989. Strategies for calibrating a subcutaneous glucose sensor. Biomed Biochim Acta 48(11/12):957-964	
	116	von Woedtk et al. 1989. In situ calibration of implanted electrochemical glucose sensors. Biomed Biochim. Acta 48(11/12):943-952	
	117	English translation of Office Action received December 19, 2007 in Japanese App. No. 10/538680, Docket No. DEXCOM.008VJP	

Examiner Signature

Date Considered

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a checkmark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i> SHEET 6 OF 7	Application No.	09/447,227
	Filing Date	November 22, 1999
	First Named Inventor	Mark C. Shults
	Art Unit	3735
	Examiner	Robert L. Nasser
	Attorney Docket No.	DEXCOM.008DV1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	118	Office Action dated October 16, 2006 in U.S. App. No. 10/647,065, Docket No. DEXCOM.012A	
	119	Office Action dated October 24, 2007 in U.S. App. No. 11/055,779, Docket No. DEXCOM.034A	
	120	Office Action dated November 1, 2007 in U.S. App. No. 11/034,343, Docket No. DEXCOM.040A	
	121	Office Action dated December 26, 2007 in U.S. App. No. 11/021,046, Docket No. DEXCOM.008DV1C	
	122	Office Action dated January 15, 2008 in U.S. App. No. 11/034,344, Docket No. DEXCOM.039A	
	123	Office Action dated March 24, 2008 in U.S. App. No. 10/838,912, Docket No. DEXCOM.043A	
	124	Office Action dated June 5, 2008 in U.S. App. No. 10/846,150, Docket No. DEXCOM.008DV1CP	
	125	Office Action mailed June 5, 2008 in U.S. App. No. 10/838,909 Docket No. DEXCOM.044A	
	126	Office Action dated June 19, 2008 in U.S. App. No. 11/021,162, Docket No. DEXCOM.007C1	
	127	Office Action dated June 23, 2008 in U.S. App. No. 11/021,046, Docket No. DEXCOM.008DV1C	
	128	Office Action dated July 10, 2008 in U.S. App. No. 11/034,343, Docket No. DEXCOM.040A	
	129	Office Action dated July 16, 2008 in U.S. App. No. 10/838,912, Docket No. DEXCOM.043A	
	130	Office Action dated September 18, 2008 in U.S. App. No. 11/439,630, Docket No. DEXCOM.051CP3	
	131	Office Action dated September 29, 2008 in U.S. App. 12/037,830, Docket No. DEXCOM.8DV1CPD1	
	132	Office Action dated September 29, 2008 in U.S. App. No. 12/037,812, Docket No. DEXCOM.8DV1CPD2	
	133	Office Action dated October 8, 2008 in U.S. App. No. 10/896,637, Docket No. DEXCOM.019A	
	134	Office Action dated December 1, 2008 in U.S. App. No. 11/503,367, Docket No. DEXCOM.51CP3CP1	
	135	Office Action dated December 9, 2008 in U.S. App. No. 10/846,150, Docket No. DEXCOM.008DV1CP	
	136	Office Action dated December 24, 2008 in U.S. App. No. 10/885,476, Docket No. DEXCOM.048A	

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T¹ - Place a checkmark in the box if the reference is considered. If not, draw a line through the box. /B.N./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	09/447,227
	Filing Date	November 22, 1999
	First Named Inventor	Mark C. Shults
	Art Unit	3735
(Multiple sheets used when necessary)	Examiner	Robert L. Nasser
SHEET 7 OF 7	Attorney Docket No.	DEXCOM.008DV1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	137	Office Action dated December 30, 2008 in U.S. App. No. 11/034,343, Docket No. DEXCOM.040A	
	138	Office Action dated February 4, 2009 in U.S. App. No. 10/768,889, Docket No. DEXCOM.006C1	
	139	Office Action dated February 4, 2009 in U.S. App. No. 11/021,046, Docket No. DEXCOM.008DV1C	
	140	Office Action dated February 23, 2009 in U.S. App. No. 11/439,630, Docket No. DEXCOM.051CP3	
	141	Office Action dated February 26, 2009 in U.S. App. No. 12/037,830, Docket No. DEXCOM.8DV1CPD1	
	142	Office Action dated March 5, 2009 in U.S. App. No. 10/896,637, Docket No. DEXCOM.019A	
	143	Office Action mailed March 16, 2009 in U.S. App. No. 10/838,909 Docket No. DEXCOM.044A	
	144	Office Action dated April 1, 2009 in U.S. App. No. 12/037,812, Docket No. DEXCOM.8DV1CPD2	
	145	Final Office Action dated June 9, 2009 in U.S. App. No. 10/846,150, Docket No. DEXCOM.008DV1CP	
	146	Final Office Action dated June 23, 2009 in U.S. App. No. 10/885,476, Docket No. DEXCOM.048A	
	147	Office Action dated July 20, 2009 in U.S. App. No. 10/896,637, Docket No. DEXCOM.019A	
	148	Office Action dated July 24, 2009 in U.S. App. No. 12/037,812, Docket No. DEXCOM.8DV1CPD2	

7642058
081309

Examiner Signature	/Robert Nasser/	Date Considered	12/04/2009
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

T¹ - Place a check mark in this area when an English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./